

ABSTRACT OF THE DISCLOSURE

A raw material powder having particle sizes of not more than 125 μm and preferably not more than 75 μm , such as a powder of an alloy of Co-32%Ni-21%Cr-7.5%Al-0.5%Y is thermally sprayed onto surfaces of shroud members of a shroud to form a coating. The high velocity oxygen-fuel thermal spray method is used as the thermal spray method. In the obtained coating, the porosity is 5% to 30% by volume and the oxygen content is not more than 2% by weight. In particular, when the raw material powder has particle sizes of about 40 μm , it is possible to obtain the coating which has an extremely small oxygen content of about 0.5% by weight.